OKLAHOMA STATE DEPARTMENT OF HEALTH
PROPOSED SAMPLING PLAN
FOR
PORTER'S WILLOW STREET PROPERTY
OK 04707

The information available on this site indicates that there are multiple problem areas in close proximity to each other. We feel that these separate areas should be approached in a coordinated manner.

The primary public health problems are carbon tetrachloride, chloroform, and 1,2-dichloroethane found in the ground water in the area of W.B. Johnston Grain elevator, the (b) (6) residence. Data suggests that W.B. Johnston Grain elevator may be a possible source for this contamination. The W. B. Johnston Grain elevator, (b) (6) residence wells should be resampled to check the levels and flow of contaminants.

Carbon tetrachloride has also been found in the Enid State School ballfield well. The three grain elevators west of the Champlin refinery are possible sources for the carbon tetrachloride at the State School, but this hypothesis needs to be investigated. We intend to survey the area from the three grain elevators west of Champlin to the Enid State School to determine if there are any wells suitable for sampling the ground water. If such wells exist, we will attempt to establish whether a flow of contaminants from the elevators to the State School is indeed occurring.

The second problem area is the slab/pit, filled with unknown liquids, and possibly associated (b) (6) This area poses an unknown hazard. The slab/pit is a concrete slab with large holes, over a pit full of unknown liquids, which have been dumped there in the past. The only samples taken so far have been off the surface. We feel that a more representative sample is needed. We will also sample an existing "scavenger" hydrocarbon well located next to the slab pit. We feel that this well is creating a hydrological gradient, possibly causing substances to migrate from the slab/pit.

The third problem is the old Frac pit and the Frac tank storage area. The Frac pit is alleged to have contaminated (b) (6) old well. Dioxin has been found in a previous sample of the Frac tank area and we are awaiting results of another sample to confirm the dioxin contamination. Since the only samples from the Frac pit have been surface samples of the cover material, we plan to dig or drill into the fill material and sample it.

The discharges and drainage channels from some of the "scavenger" hydrocarbon recovery wells should be sampled. There have been complaints in the past about "solvent odors" from the discharges. These discharges ultimately drain into Skeleton Creek.

We also intend to sample Skeleton Creek above and below Porter's Willow Street Property to see if the contaminants are indeed entering the surface water.

PORTER'S WILLOW STREET PROPERTY

SAMPLE TYPE	LOCATION	# OF SAMPLES	ITEMS OF CONCERN
Ground water	W.B. Johnson Grain Elevator	1	Organics/Metals
Ground water	(b) (6)	1	Organics/Metals
Ground water		1	Organics/Metals
Ground water	3 Grain Elevators West of Champlin	1 each = 3	Organics/Metals
Ground water	Enid State School Ballfield Well	1 before pumping 1 after pumping	Organics/Metals
Ground water	Wells between Grain elevators and the Enid State School	3	Organics/Metals
Liquid/Sludge	Slab/pit	3	Pesticides Organics/Metals
Soil	Frac Pit	3	Organics/Metals
Soil	Frac Tank Area	3	Organics/Metals
Surface water	Skeleton Creek	1 above site	Organics/Metals
Surface water	Skeleton Creek	1 below site	Organics/Metals
Surface water	"Scavenger" Well adjacent to slab/pit	1	Pesticides Organics/Metals
Ground water	"Scavenger" Well adjacent to slab/pit	1	Pesticides Organics/Metals
Soil	Discharges from "scavenger" wells along railroad tracks	2	Organics/Metals
Surface water/ Soil	Discharges from "scavenger" wells to be determined	3	Organics/Metals
Ground water	(b) (6) old water well and his monitor well number one	2	Organics

FURTHER SAMPLING NEEDED TO DETERMINE EXTENT OF DIOXIN CONTAMINATION